

Docket No. 242266US0/hc



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Johann LEBAN, et al.

SERIAL NO: 10/736,739

GAU:

FILED: December 17, 2003

EXAMINER:

FOR: METHOD OF IDENTIFYING INHIBITORS OF DHODH

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the attached two German Office Actions listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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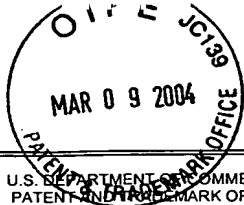
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STATEMENT OF RELEVANCY

Reference AK (EP 0 780 128) on Form PTO 1449 is discussed in the specification.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

242266US0

SERIAL NO.

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LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Johann LEBAN, et al.

FILING DATE

December 17, 2003

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	3,465,001	09/02/1969	W. A. BOLHOFFER, et al.			
	AB	5,262,537	11/16/1993	B-S. HUANG, et al.			
	AC	4,661,630	04/28/1987	Y. HARIGAYA, et al.			
	AD	5,886,033	03/23/1999	W. SCHWAB, et al.			
	AE						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AF	35 21 303	10/31/1985	GERMANY (with corr. GB 2 158 440)		X
	AG	2 158 440	11/13/1985	GREAT BRITAIN		
	AH	WO 02/38153	05/16/2002	WIPO		
	AI	33 46 814	06/28/1984	GERMANY (with corr. US 4,661,630)		X
	AJ	195 39 638	04/30/1997	GERMANY (with corr. US 5,886,033)		X
	AK	0 780 128	06/25/1997	EUROPE		X
	AL					
	AM					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	E. KITA, et al., Polish Journal of Chemistry, vol. 53, no. 6, pages 1211-1219, "PROTOLYTIC EQUILIBRIUMS OF 4-PYRIDOXYL-4, 5, 6, 7-TETRAHYDROPYRIDO-[3, 4-C] IMIDAZOLE AND ITS DERIVATIVES", 1979 (submitting Chemical Abstract only, AN 1979: 592609)			
	AO	J. E. McLEAN, et al., Biochemistry, vol. 40, no. 7, pages 2194-2200, "MULTIPLE INHIBITOR ANALYSIS OF THE BREQUINAR AND LEFLUNOMIDE BINDING SITES ON HUMAN DIHYDROOROTATE DEHYDROGENASE", 2001			
	AP	S. REN, et al., Pharmaceutical Research, vol. 15, no. 2, pages 286-295, "DEHYDROOROTATE DEHYDROGENASE INHIBITORS: QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIP ANALYSIS", 1998			
	AQ	J. P. DAVIS, et al., Biochemistry, vol. 35, no. 4, pages 1270-1273, "THE IMMUNOSUPPRESSIVE METABOLITE OF LEFLUNOMIDE IS A POTENT INHIBITOR OF HUMAN DIHYDROOROTATE DEHYDROGENASE", 1996			
	AR	S. GREENE, et al., Biochemical Pharmacology, vol. 50, no. 6, pages 861-867, "INHIBITION OF DIHYDROOROTATE DEHYDROGENASE BY THE IMMUNOSUPPRESSIVE AGENT LEFLUNOMIDE", 1995			
	AS	S-F. CHEN, et al., Cancer Research, vol. 52, pages 3521-3527, "INHIBITION OF DIHYDROOROTATE DEHYDROGENASE ACTIVITY BY BREQUINAR SODIUM", July 1, 1992			
	AT	S. LIU, et al., Structure, vol. 8, no. 1, pages 25-33, "STRUCTURES OF HUMAN DEHYDROOROTATE DEHYDROGENASE IN COMPLEX WITH ANTIPROLIFERATIVE AGENTS", 2000			
	AU	K. APPELT, et al., Journal of Medicinal Chemistry, vol. 34, no. 7, pages 1925-1934, "DESIGN OF ENZYME INHIBITORS USING ITERATIVE PROTEIN CRYSTALLOGRAPHIC ANALYSIS", July 1991			<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date
Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.